

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P628645

Luminaire Tested: GWS-SA1A-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628645
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1244.3 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

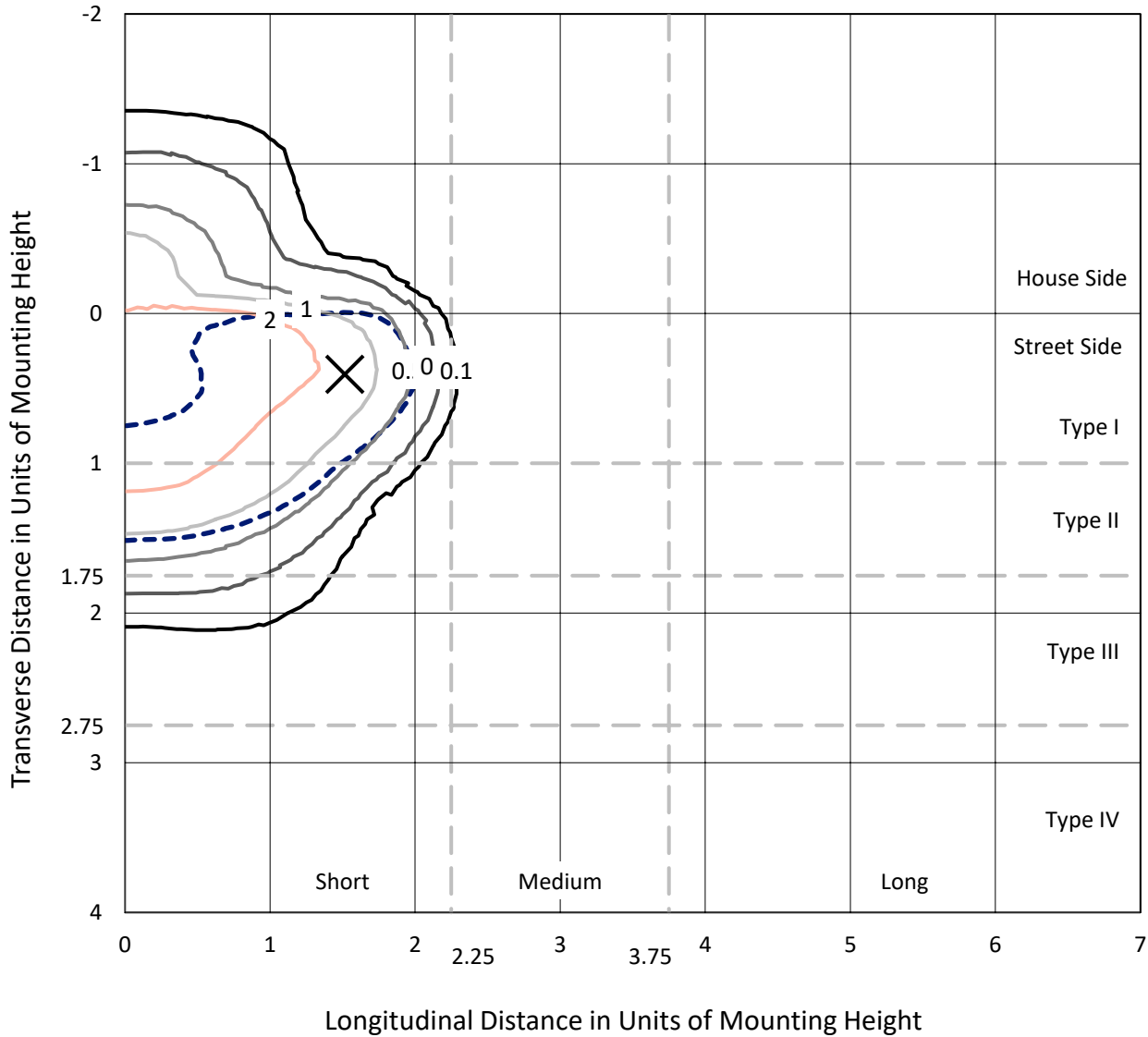
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

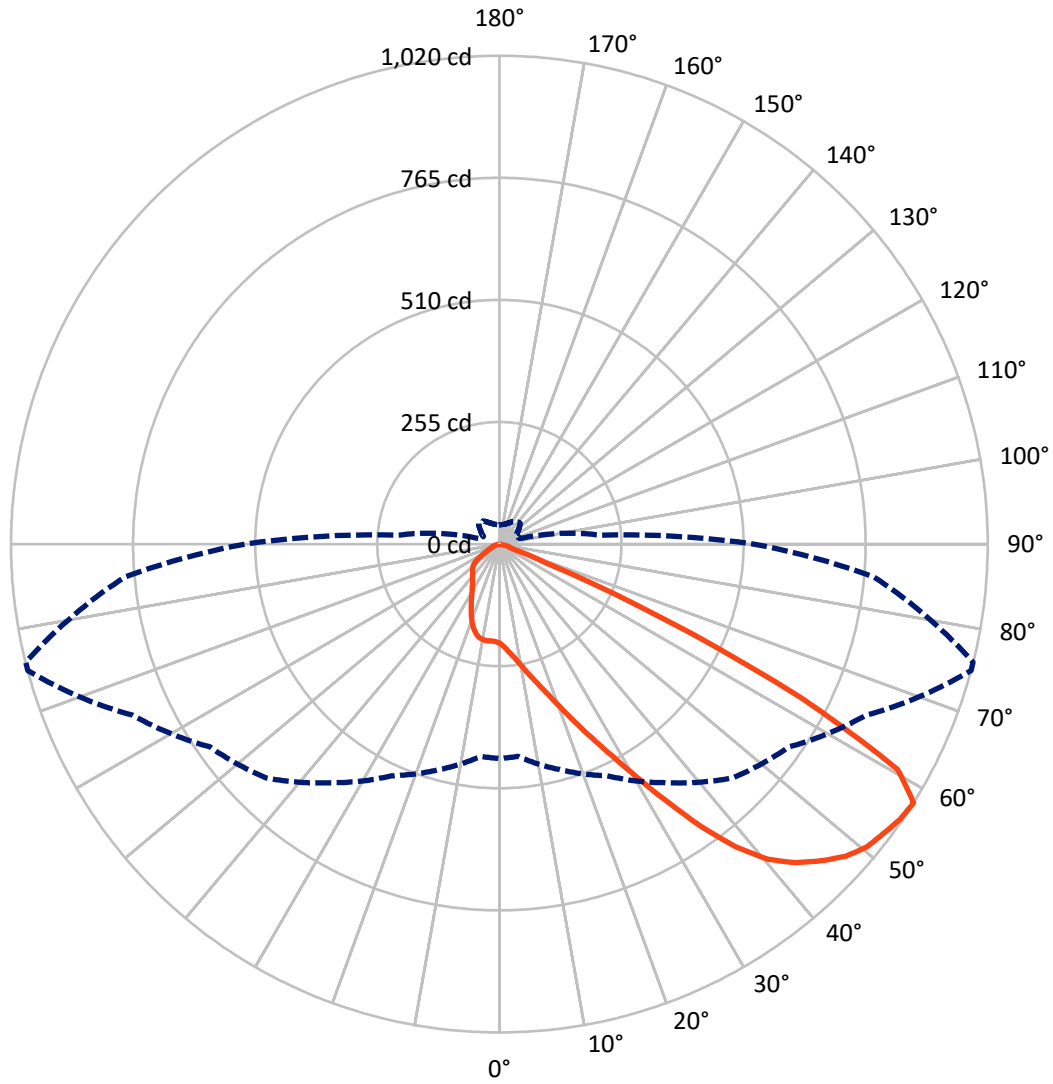
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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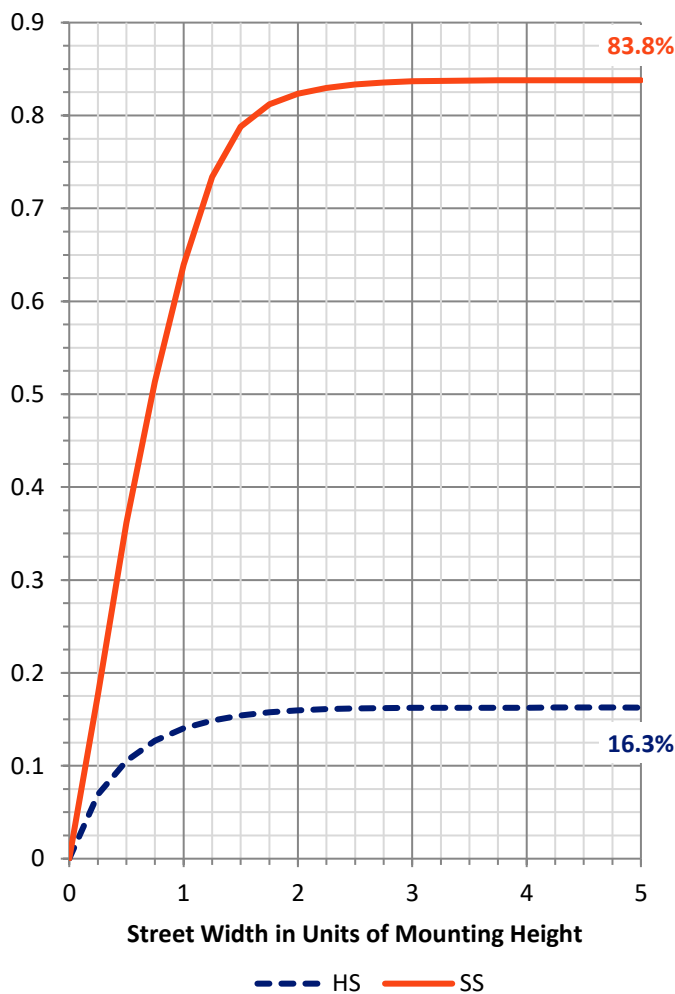
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	203.3	0.0	203.3
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	1041.1	0.0	1041.1
	% Fixture	83.7	0.0	83.7
Total	Lumens	1244.3	0.0	1244.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	1.7
10°-20°	68.6	5.5
20°-30°	125.6	10.1
30°-40°	208.4	16.7
40°-50°	318.3	25.6
50°-60°	357.7	28.7
60°-70°	131.9	10.6
70°-80°	12.6	1.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1244.3	100.0
0°-180°	1244.3	100.0

Coefficient of Utilization



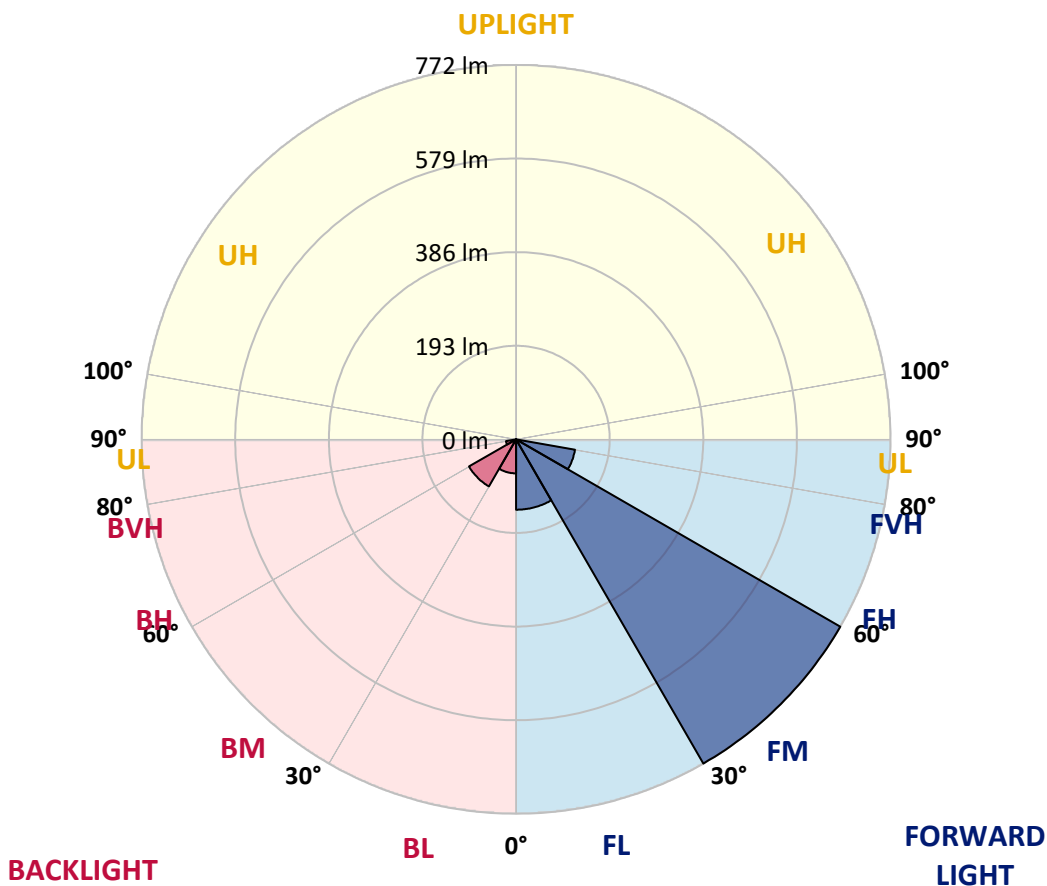
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.2	11.7			
FM (30°-60°)	772.4	62.1			
FH (60°-80°)	123.4	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	70.1	5.6	B0/110		
BM (30°-60°)	112.0	9.0	B0/220		
BH (60°-80°)	21.1	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5
2.5°	231.9	234.3	233.5	232.0	231.1	228.0	226.0	220.3	216.2	215.8	212.0
5°	261.1	260.7	260.1	258.3	256.8	251.8	246.0	236.4	227.8	226.8	218.8
7.5°	277.2	277.5	277.8	277.5	276.5	272.7	266.2	255.0	241.9	241.0	228.4
10°	283.8	284.4	285.9	288.8	291.3	291.0	287.3	275.7	259.6	258.1	241.2
12.5°	287.0	287.7	290.1	295.5	302.4	307.8	308.4	298.1	280.4	278.0	256.3
15°	291.3	292.1	295.1	302.1	312.2	322.9	329.8	323.2	303.3	300.8	273.0
17.5°	293.3	294.3	298.7	308.0	321.1	337.4	353.0	352.4	330.5	328.6	292.4
20°	297.0	297.8	301.7	311.7	327.5	351.1	377.4	386.8	363.7	360.9	315.8
22.5°	308.9	309.2	311.0	317.3	332.0	361.0	402.1	426.9	402.9	399.1	342.1
25°	328.3	328.1	328.9	329.9	340.7	371.1	426.0	472.1	447.8	443.7	371.8
27.5°	352.9	352.9	354.7	351.7	356.0	383.5	449.6	524.1	500.1	494.4	404.4
30°	381.9	381.7	385.9	381.1	382.5	403.2	475.0	580.7	563.1	556.1	441.9
32.5°	421.2	420.3	425.1	418.5	414.0	432.9	505.9	639.9	638.7	627.9	489.1
35°	470.9	469.4	470.9	464.5	456.4	474.5	546.5	698.9	722.5	711.0	545.3
37.5°	520.3	525.1	526.8	515.7	509.1	527.2	595.3	751.7	802.5	790.6	603.7
40°	578.6	577.1	582.8	570.3	566.1	586.3	643.0	791.1	865.9	854.6	655.6
42.5°	621.5	624.2	631.3	624.4	621.1	640.0	683.1	814.1	909.9	898.8	692.7
45°	673.1	675.0	677.7	672.0	668.5	687.2	712.1	824.1	943.4	931.3	717.7
47.5°	728.8	730.3	730.3	718.6	707.4	715.1	731.5	829.8	974.1	962.6	736.1
50°	768.7	769.5	776.1	767.8	743.6	731.8	740.3	835.4	994.6	983.7	742.1
52.5°	733.3	732.4	754.1	771.3	777.7	754.1	755.6	843.5	1004.5	995.2	746.9
55°	617.5	616.0	646.6	688.2	745.1	775.3	774.1	848.3	1015.4	1009.7	764.4
57.5°	447.7	445.1	487.7	534.0	608.6	690.5	738.5	845.6	1020.2	1019.8	784.6
60°	269.1	267.0	307.2	355.9	413.6	495.9	575.6	757.4	956.0	956.9	731.9
62.5°	165.6	167.6	203.9	228.7	250.2	275.0	321.1	509.5	708.2	714.0	514.3
65°	111.4	112.9	146.6	177.8	177.8	145.4	124.8	243.6	377.8	367.9	243.3
67.5°	74.8	76.4	103.0	139.5	144.8	101.4	50.6	72.7	105.3	102.1	60.2
70°	44.0	45.8	68.6	95.7	105.4	70.6	33.8	30.8	29.9	29.0	23.4
72.5°	19.7	20.4	35.0	48.7	44.4	29.7	23.9	24.6	23.3	22.8	19.1
75°	6.0	6.3	9.0	10.5	10.7	10.7	14.4	19.4	18.3	18.5	14.7
77.5°	1.5	1.5	2.4	2.3	1.2	1.1	2.7	4.4	4.5	4.1	3.0
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5
2.5°	210.4	206.5	203.9	200.3	197.8	195.1	192.7	190.7	189.7	189.4	189.5
5°	215.2	209.0	203.0	196.1	191.3	186.8	183.2	180.4	179.0	178.5	178.5
7.5°	222.5	214.0	203.3	192.5	184.4	177.3	173.1	170.0	168.8	168.5	167.6
10°	232.2	220.4	202.9	186.1	174.6	167.3	164.3	163.4	163.8	164.0	163.8
12.5°	243.7	227.2	200.0	176.6	164.3	159.8	160.1	162.5	165.2	166.5	166.8
15°	256.0	233.4	193.6	165.3	155.4	155.3	159.6	165.2	170.4	172.7	173.3
17.5°	269.9	238.3	183.7	153.3	147.8	152.1	159.9	168.5	175.5	179.3	180.1
20°	285.0	242.4	171.0	142.1	141.0	148.8	159.6	170.1	178.8	183.1	183.8
22.5°	300.8	245.2	156.5	131.7	134.9	145.1	156.8	167.0	175.2	180.1	180.7
25°	318.8	245.5	141.6	123.0	129.1	140.0	149.9	158.3	165.2	169.4	169.8
27.5°	334.6	241.9	128.4	115.9	123.9	133.6	140.3	144.9	149.7	152.1	152.3
30°	352.7	235.6	115.9	110.2	118.5	125.8	129.1	130.2	130.6	131.1	130.5
32.5°	374.4	228.0	106.6	104.7	112.3	117.3	118.2	116.1	113.5	109.9	109.0
35°	400.9	221.0	99.0	99.3	105.6	108.6	107.8	103.3	98.4	94.0	93.3
37.5°	429.8	215.2	93.1	94.0	98.2	100.3	98.1	93.1	90.9	87.1	87.2
40°	455.3	210.4	87.8	88.7	90.7	92.7	89.0	85.7	90.0	89.7	90.0
42.5°	473.5	206.3	83.3	82.9	84.2	85.6	82.9	81.2	88.3	86.3	87.4
45°	484.1	202.6	79.6	76.9	79.0	81.4	79.6	77.5	79.9	70.9	70.1
47.5°	491.3	200.5	76.3	71.0	74.8	79.0	75.2	70.1	66.7	58.9	58.3
50°	492.1	199.4	72.4	65.0	69.8	74.3	70.0	62.9	58.0	54.5	54.1
52.5°	496.0	201.5	67.0	57.4	62.6	69.8	66.8	59.8	53.0	50.0	49.4
55°	513.4	210.4	58.0	46.9	54.5	66.4	64.3	53.3	46.9	45.1	44.6
57.5°	531.4	212.2	45.7	37.1	47.5	61.4	58.7	49.1	42.8	40.7	40.2
60°	485.9	174.8	34.2	30.6	41.9	56.8	54.4	46.6	39.2	36.6	36.2
62.5°	319.3	94.5	27.2	26.0	35.3	48.1	49.6	42.0	35.0	32.3	32.1
65°	147.2	43.8	20.9	20.6	27.6	38.3	42.6	36.8	29.6	27.2	27.2
67.5°	40.1	21.8	16.4	15.2	18.8	25.7	31.1	27.5	21.0	18.2	18.0
70°	20.0	17.6	14.7	13.1	13.5	15.9	18.3	15.3	10.7	8.7	8.6
72.5°	16.4	14.4	12.5	11.1	10.2	9.8	9.5	7.7	5.0	3.8	3.6
75°	12.2	10.4	8.9	7.2	6.2	5.7	5.1	3.8	2.1	1.2	1.1
77.5°	2.7	2.6	2.4	1.8	1.7	1.4	1.1	0.8	0.3	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)